

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-295698

(43)Date of publication of application : 20.10.2000

(51)Int.Cl.

H04S 1/00
H04N 5/60

(21)Application number : 11-100819

(71)Applicant : MATSUSHITA ELECTRIC IND CO
LTD

(22)Date of filing : 08.04.1999

(72)Inventor : TOKUNAGA SHINJI

(54) VIRTUAL SURROUND SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a virtual surround effect independently of a position of a listener.

SOLUTION: A sound image control section 101 of this virtual surround system receives multi-channel audio signals L, C, R, SL, SR. Then a position of a listener 104 with respect to a front speaker is expressed in the X-Y coordinates to conduct virtual surround processing corresponding to the respective positions. When a listener position detection section 107 detects a position of the listener 104, the position information is given to an HRTF coefficient database 108. The HRTF coefficient database 108 retrieves an HRTF coefficient corresponding to the inputted position information and gives it to a sound image control section 101. The control section 101 uses only a front right speaker 102 and a front left speaker 103 to output a rear surround sound.

